

Remarks

Applicants respectfully request reconsideration of the present application in view of the foregoing amendments and following remarks. Claims 52-64 and 66-73 remain pending in the current application. Claims 52, 54, 55, 57-62, and 66 have been amended. Claim 65 has been canceled. Claims 71-73 have been allowed. Claims 65-67 and 69-70 have been objected to as being dependent upon a rejected base claim but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claims 52-61 have been rejected under 35 U.S.C. § 112, first paragraph. Claims 55, 57, and 61 have been rejected under 35 U.S.C. § 112, second paragraph. Claims 62-64 and 68 have been rejected under 35 U.S.C. § 102(b). These rejections are respectfully traversed.

Patentability of Claims 52-61 under § 112, First Paragraph

The Action rejects claims 52-61 under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement. Claims 52, 54, and 58-61 have been amended to recite “storing microcode” rather than “creating microcode.” Applicants respectfully submit that claims 52-61 are allowable and that the 35 U.S.C. § 112, first paragraph, rejections of claims 52-61 should be removed.

Patentability of Claims 55, 57, and 61 under § 112, Second Paragraph

The Action rejects claims 55, 57, and 61 under 35 U.S.C. § 112, second paragraph, as being indefinite. Claims 55, 57, and 61 have been amended. Claims 55 and 57 further limit the method of claim 52, and claim 61 is now in independent form. Accordingly, Applicants respectfully submit that claims 55, 57, and 61 are allowable and that the 35 U.S.C. § 112, second paragraph, rejections of claims 55, 57, and 61 should be removed.

Patentability of Claims 62-64 and 68 over Broseghini under § 102(b)

The Action rejects claims 62-64 and 68 under 35 U.S.C. § 102(b), as being anticipated by U.S. Patent No. 5,416,783 to Broseghini et al (“Broseghini”).

Independent claim 62 has been amended to incorporate the limitations of former claim 65, which is now canceled. Amended independent claim 62 is directed to an apparatus and recites in part: “multiplying n least significant bits of a $2n$ -bit pseudo-random number generated in an immediately preceding iteration and stored in a first register, with an n -bit multiplier constant stored in a second register to produce a $2n$ -bit product.”

Broseghini fails to teach or suggest multiplying n least significant bits of a $2n$ -bit pseudo-random number generated in an immediately preceding iteration and stored in a first register, with an n -bit multiplier constant stored in a second register to produce a $2n$ -bit product, as required by independent claim 62.

Therefore, Applicants respectfully submit that independent claim 62 and its dependent claims 63, 64, and 66-70 are allowable over Broseghini and that the § 102(b) rejections of claims 62-64 and 68 should be removed. Dependent claims 63, 64, and 66-70 are also independently patentable.

Comments on the Statement of Reasons for the Indication of Allowable Subject Matter

Applicants appreciate the allowance of claims 71-73. Applicants agree that the cited prior art fails to teach the invention as claimed in the claims. To the extent that the Examiner's Statement of Reasons for the Indication of Allowable Subject Matter uses language not identically appearing in the claims, Applicants note that the claims are not limited by such language, but rather the actual language of each claim speaks for itself.

Request for Examiner Interview

If any issues exist, the Examiner is formally requested to contact the undersigned attorney prior to issuance of the next Office Action in order to arrange a telephonic interview. It is believed that a brief discussion of the merits of the present application may expedite prosecution. Applicants submit the foregoing formal Amendment so that the Examiner may fully evaluate Applicants' position, thereby enabling the interview to be more focused.

This request is being submitted under MPEP § 713.01, which indicates that an interview may be arranged in advance by a written request.

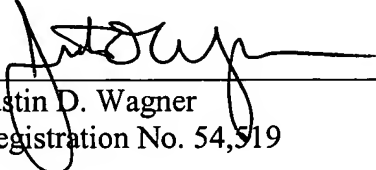
Conclusion

The claims in their present form should be allowable. Such action is respectfully requested.

Respectfully submitted,

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